

2450

NORTHERN REGION - R-1

FOREST = 10 - Flathead *

DISTRICT 01 - Swan Lake *

Expiration Date = April 1, 2016

V15.1

**TIMBER SALE AND
TRANSACTION EVIDENCE
APPRAISAL REPORT**

Select Contract Type

Dewey
(SALE NAME)

TIM # 15103

TYPE 13 - Contract Form 2400-13

UOM TON

Prepared by (Signature)

(Date)

Prepared by (Signature)

(Date)

Reviewed by (Signature)

(Date)

Recommended by (Signature)

(Date)

All attached documents and specifications for this timber sale have been completed in accordance with regulations at 36 CFR, Part 223, Subpart B, and the applicable Forest Service Manual and Handbook requirements and standards related to timber sales. Furthermore, the environmental documentation and NEPA decision have been reviewed; no significant new information or changed circumstances relating to the environmental impacts of this proposed action exist that require a correction, supplement, or revision to the documentation or decision; and implementation (advertisement) should continue.

Certification Reports for Gates 3 and 4 from TIM are attached to this timber sale report.

Timber Sale Final Package Approved By:

(Date)

TIMBER SALE INFORMATION

TIM, Gate 3, Create Timber Sale (Prep101)

Sale Area Description:

Primary County Name (FIPS Code):

029 - Flathead *

Sale Area Legal Description (short T & R):

T26N, R22W, PMM

Sale Area Legal Description (long):

Portions of Sections 3-5, 8-10, 14-17, 21-28, 33 T26N, R22W; Flathead County, State of Montana, PMM

The format that the description is entered here and inputted to TIM is exactly the way it will print out in the Contract, Ad and prospectus at Gate 4.

Compartment (s):

5

Environmental Documentation:

Project Association: List NEPA Project(s) that approved the timber sale.

| <u>NEPA Document Name</u> | <u>Percentage of Sale Volume (CCF)</u> |
|---------------------------|--|
| Wild Cramer | 100 |
| | |
| | |
| | |

The above NEPA Document(s) shall be included in the Prospectus, General Narrative, TIM Gate 4 - Prospectus (ADVR115). Include the following statement in the Prospectus: The environmental document(s) that approved this sale:_____

Briefly describe additions or changes made to project design during timber sale preparation.

The Dewey Timber Sale consists of units from the Wild Cramer EIS/ROD.

TSPIRS INFORMATION, SALE OBJECTIVES

TIM, Gate 3, Create Timber Sale (Prep101)

Purpose (TIM -PREP101)

Activity

% of Sale Volume - CCF (TIM - PREP101)

| | | |
|-----------------------------------|--------------------------|----|
| TC - Timber Commodity Purpose * | 01 - Timber Purpose * | 50 |
| FS - Forest Stewardship Purpose * | 10 - Forest and Health * | 50 |
| * | * | |

SALE PURPOSE AND ACTIVITY CODING INSTRUCTIONS

www.fs.fed.us/im/directives/fsh/2409.18/2409.18_20.doc

SALVAGE SALE FUND INFORMATION

TIM, Gate 4, Salvage Sale Fund Plan (ADVR112)

Reference to FSH 2409.19 - 71.12 - for assistance with SSF collections

https://fs.usda.gov/FSI_Directives/wo_2409.19_70.doc

SSF Silviculture Treatment Type (Pick one)

Salvage Component with Sanitation, Stand Improvement, or Regeneration *
(Use for all other sales - stand(s) that include a salvage component)

SSF Volume (CCF):

9474

54%

% of total volume

FUNDING SOURCE

Funding Source (button on tool bar) - From STAT102

Sale Preparation Funding Source ---SSSS (Salvage Fund) %

(Contact SO for percentage to enter into Funding Source form. Funding Source percentage must be equal to or less than % of salvage in the SSF Plan.)

CRUISE INFORMATION

CRUISE:

#

15103

CHECK CRUISE:

Date of Cruise

4/15/2015

Date of Check:

N/A

Cruisers:

Eric Jupin

Darin Nichols

Max Zink (t)

Caitlin Sailer (t)

Andrew Presnar (t)

Cruisers:

Method:

VAR/FIX/STR

Results:

N/A

SE%:

11.92

Method of determining ROW volume:

Sample Tree of trees within clearing limits as defined by engineers

Basis for Percent Defect:

Small adjustment for hidden defect and additional breakage in addition to seen defect, anticipate mechanized harvest in tractor units and hand falling in most skyline units.

TOTAL CF VOLUME BY UNIT --- NCS REPORT (UC5)

| Unit # | Acres | Sawtimber | CCF | Non-Saw | CCF |
|-----------------------------------|-------|-----------|-----|---------|-----|
| ROW units need to be entered last | | | | | |
| 3 | 19.8 | 25127 | 251 | 11411 | 114 |
| 6 | 12 | 15229 | 152 | 6916 | 69 |
| 6A,B,D | 66.6 | 84519 | 845 | 38384 | 384 |
| 6C | 10.4 | 13198 | 132 | 5994 | 60 |
| 6E | 6 | 7614 | 76 | 3458 | 35 |
| 9,9A | 13.1 | 16625 | 166 | 7550 | 76 |
| 10 | 48 | 49706 | 497 | 47005 | 470 |
| 11 | 15.2 | 19290 | 193 | 8760 | 88 |
| 11A | 6.3 | 7995 | 80 | 3631 | 36 |
| 11B | 2 | 2538 | 25 | 1153 | 12 |
| 19 | 8.7 | 9009 | 90 | 8520 | 85 |
| 22 | 17 | 17604 | 176 | 16648 | 166 |
| 23 | 8.4 | 8699 | 87 | 8226 | 82 |
| 24 | 20.9 | 21643 | 216 | 20467 | 205 |
| 24A | 3.4 | 3521 | 35 | 3330 | 33 |
| 25,25A | 23.3 | 29569 | 296 | 13429 | 134 |
| 25B | 12.3 | 15609 | 156 | 7089 | 71 |
| 26 | 12.9 | 16371 | 164 | 7435 | 74 |
| 27 | 3.1 | 3934 | 39 | 1787 | 18 |
| 28 | 7.6 | 9645 | 96 | 4380 | 44 |
| 29 | 16.3 | 20686 | 207 | 9394 | 94 |
| 29A | 10 | 12691 | 127 | 5763 | 58 |
| 29B | 10 | 12691 | 127 | 5763 | 58 |
| 30 | 16.2 | 20559 | 206 | 9337 | 93 |
| 30A | 2.7 | 3426 | 34 | 1556 | 16 |
| 30B | 3.8 | 4822 | 48 | 2190 | 22 |
| 30C | 13.9 | 17640 | 176 | 8011 | 80 |
| 32 | 42.8 | 54316 | 543 | 24667 | 247 |
| 32A | 16.9 | 21447 | 214 | 9740 | 97 |
| 32B | 2.7 | 3426 | 34 | 1556 | 16 |

NET
MBF/CCF Ratio from
NCS Report CS1

Sawtimber (Product 01)

0.47612

Non-Saw (Product 08)

.53193

If no Primary Non-Saw
Enter Secondary
Volumes Below

Net bdf

Net cf

Non-Saw

(Product 08)

TOTAL SALE UNIT VOLUME (CCF)

5488 11075

(Sheet 1) (Sheet 1&2)

638899 Non-Saw

3037 6391

(Sheet 1) (Sheet 1&2)

TOTAL SALE CF VOLUME BY SPECIES --- NCS REPORT (R101)

| Species | Saw | Rounded | %Defect | Av. DBH | Logs/Unit |
|---------|--------|---------|---------|---------|-----------|
| GF | | 0 | | | |
| AF | 129134 | 1291 | 7 | 11.2 | 15.8 |
| L | 102956 | 1030 | 13 | 9.7 | 22.7 |
| S | 65972 | 660 | 7 | 9.9 | 19.6 |
| LP | 308468 | 3085 | 9 | 7.8 | 27.9 |
| WP | | 0 | | | |
| PP | 189 | 2 | 6 | 10.4 | 22.2 |
| DF | 501147 | 5007 | 13 | 10.6 | 17 |
| C | | 0 | | | |
| H | | 0 | | | |

1107866

TOTAL VOLUME 11075 CCF

NCS REPORT (UC5)

| Non-Saw | Rounded |
|---------|---------|
| | 0 |
| 48870 | 489 |
| 47849 | 478 |
| 12285 | 123 |
| 327159 | 3273 |
| | 0 |
| 56 | 1 |
| 202679 | 2027 |
| | 0 |
| | 0 |

638898

6391 CCF

ROUNDED VOLUME IS THE DIFFERENCE BETWEEN UNIT VOLUME AND SPECIES VOLUME (AFTER
ROUNDING TO CCF) ADDED TO THE SPECIES WITH THE LARGEST VOLUME

TOTAL CF VOLUME BY UNIT --- UC5 REPORT

| Unit # | Acres |
|--------|-------|
|--------|-------|

| Sawtimber | CCF |
|-----------|-----|
|-----------|-----|

| Non-Saw | CCF |
|---------|-----|
|---------|-----|

ROW units need to be entered last

| | |
|----------|------|
| 38 | 8.5 |
| 40 | 10.1 |
| 40A | 22 |
| 40B | 5.5 |
| 41 | 17.2 |
| 42,42A | 37.4 |
| 43 | 12.2 |
| 44 | 9.6 |
| 45 | 47.7 |
| 45A | 7.9 |
| 46 | 8.8 |
| 47 | 12.3 |
| 48 | 9.2 |
| 49 | 13.9 |
| 49A | 3.8 |
| 50 | 12 |
| 51 | 7.1 |
| 51A | 9.5 |
| 52 | 18.2 |
| 52A | 2.3 |
| 53, A, B | 38.9 |
| 54 | 30.2 |
| 55 | 17.9 |
| 56 | 17.3 |
| 57 | 6.3 |
| 59 | 9.2 |
| 60 | 16 |
| 64 | 46.3 |
| 64A,64B | 9.5 |
| ROW | 0 |

| | |
|-------|-----|
| 10787 | 108 |
| 12818 | 128 |
| 27919 | 279 |
| 6980 | 70 |
| 21828 | 218 |
| 47463 | 475 |
| 15483 | 155 |
| 12183 | 122 |
| 60534 | 605 |
| 10026 | 100 |
| 11168 | 112 |
| 12737 | 127 |
| 11675 | 117 |
| 17640 | 176 |
| 4822 | 48 |
| 15229 | 152 |
| 7352 | 74 |
| 9838 | 98 |
| 23097 | 231 |
| 2919 | 29 |
| 40283 | 403 |
| 31274 | 313 |
| 18536 | 185 |
| 21955 | 220 |
| 7995 | 80 |
| 11675 | 117 |
| 20305 | 203 |
| 47946 | 479 |
| 12056 | 121 |
| 4192 | 42 |

| | |
|-------|-----|
| 4899 | 49 |
| 5821 | 58 |
| 12679 | 127 |
| 3170 | 32 |
| 9913 | 99 |
| 21555 | 216 |
| 7031 | 70 |
| 5533 | 55 |
| 27491 | 275 |
| 4553 | 46 |
| 5072 | 51 |
| 12045 | 120 |
| 5302 | 53 |
| 8011 | 80 |
| 2190 | 22 |
| 6916 | 69 |
| 6953 | 70 |
| 9303 | 93 |
| 10489 | 105 |
| 1326 | 13 |
| 38093 | 381 |
| 29574 | 296 |
| 17529 | 175 |
| 9971 | 100 |
| 3631 | 36 |
| 5302 | 53 |
| 9221 | 92 |
| 45340 | 453 |
| 5475 | 55 |
| 961 | 10 |

558715

Sawtimber

335349

Non-Saw

**TOTAL UNIT VOLUME CCF
SHEETS 1&2**

11075

6391

**CUTTING UNIT DESCRIPTION
(TIM GATE 3 - PREP 104)**

**VOLUME - DIRECT ENTRY
(TIM GATE 3 - PREP 103)**

| | | Cruise | Appraisal | ROW | Logging | Harvest | Land Suit | | Unit Volume CCF | | Yield Component | | Unit TONS | |
|-----------------------------------|-------|------------|------------|-----------|----------------|----------------|-----------|----|-----------------|---------|-----------------|----|-----------|---------|
| Unit # | P.U.# | Unit Acres | Unit Acres | ROW Acres | Logging Method | Harvest Method | Class | MA | Sawtimber | Non-Saw | CL | NL | Saw | Non Saw |
| ROW units need to be entered last | | | | | | | | | | | | | | |
| 3 | 3 | 19.8 | 19.8 | | 420 | | | | 251 | 114 | | | 741 | 312 |
| 6 | 6 | 12 | 12 | | 492 | | | | 152 | 69 | | | 449 | 189 |
| 6A,B,D | 6 | 66.6 | 66.6 | | 430 | | | | 845 | 384 | | | 2495 | 1052 |
| 6C | 6 | 10.4 | 10.4 | | 492 | | | | 132 | 60 | | | 390 | 164 |
| 6E | 6 | 6 | 6 | | 420 | | | | 76 | 35 | | | 224 | 96 |
| 9,9A | 9 | 13.1 | 13.1 | | 420 | | | | 166 | 76 | | | 490 | 208 |
| 10 | 10 | 48 | 48 | | 420 | | | | 497 | 470 | | | 1467 | 1288 |
| 11 | 11 | 15.2 | 15.2 | | 420 | | | | 193 | 88 | | | 570 | 241 |
| 11A | 11 | 6.3 | 6.3 | | 430 | | | | 80 | 36 | | | 236 | 99 |
| 11B | 11 | 2 | 2 | | 420 | | | | 25 | 12 | | | 74 | 33 |
| 19 | 19 | 8.7 | 8.7 | | 430 | | | | 90 | 85 | | | 266 | 233 |
| 22 | 22 | 17 | 17 | | 420 | | | | 176 | 166 | | | 520 | 455 |
| 23 | 23 | 8.4 | 8.4 | | 420 | | | | 87 | 82 | | | 257 | 225 |
| 24 | 24 | 20.9 | 20.9 | | 420 | | | | 216 | 205 | | | 638 | 562 |
| 24A | 24 | 3.4 | 3.4 | | 430 | | | | 35 | 33 | | | 103 | 90 |
| 25,25A | 25 | 23.3 | 23.3 | | 420 | | | | 296 | 134 | | | 874 | 367 |
| 25B | 25 | 12.3 | 12.3 | | 430 | | | | 156 | 71 | | | 461 | 195 |
| 26 | 26 | 12.9 | 12.9 | | 430 | | | | 164 | 74 | | | 484 | 203 |
| 27 | 27 | 3.1 | 3.1 | | 430 | | | | 39 | 18 | | | 115 | 49 |
| 28 | 28 | 7.6 | 7.6 | | 430 | | | | 96 | 44 | | | 283 | 121 |
| 29 | 29 | 16.3 | 16.3 | | 420 | | | | 207 | 94 | | | 611 | 258 |
| 29A | 29 | 10 | 10 | | 420 | | | | 127 | 58 | | | 375 | 159 |
| 29B | 29 | 10 | 10 | | 430 | | | | 127 | 58 | | | 375 | 159 |
| 30 | 30 | 16.2 | 16.2 | | 420 | | | | 206 | 93 | | | 608 | 255 |
| 30A | 30 | 2.7 | 2.7 | | 420 | | | | 34 | 16 | | | 100 | 44 |
| 30B | 30 | 3.8 | 3.8 | | 420 | | | | 48 | 22 | | | 142 | 60 |
| 30C | 30 | 13.9 | 13.9 | | 430 | | | | 176 | 80 | | | 520 | 219 |
| 32 | 32 | 42.8 | 42.8 | | 420 | | | | 543 | 247 | | | 1603 | 677 |
| 32A | 32 | 16.9 | 16.9 | | 420 | | | | 214 | 97 | | | 632 | 266 |
| 32B | 32 | 2.7 | 2.7 | | 420 | | | | 34 | 16 | | | 100 | 44 |
| Totals Sheet 1 | | 452.3 | 452.3 | 0 | | | | | 5488 | 3037 | 0 | 0 | 16201 | 8322 |

Total Sale Area: **7030** Sale Area Acres
 Total Cutting Area: **452.3** Acres
 (Sheet 1)

Total Sawtimber (Sheet 1) **5488** CCF
 Total Saw + Non-Saw (Sheet 1) **8525** CCF

**CUTTING UNIT DESCRIPTION
(TIM GATE 3 - PREP 104)**

**VOLUME - DIRECT ENTRY
(TIM GATE 3 - PREP 103)**

| | | Cruise | Appraisal | ROW | Logging | Harvest | Land Suit | | Unit Volume CCF | | Yield Component | | Unit TONS | |
|-----------------------------------|-------|------------|------------|-----------|----------------|----------------|-----------|----|-----------------|---------|-----------------|----|-----------|---------|
| Unit # | P.U.# | Unit Acres | Unit Acres | ROW Acres | Logging Method | Harvest Method | Class | MA | Saw+Add | Non-Saw | CL | NL | Saw | Non Saw |
| ROW units need to be entered last | | | | | | | | | | | | | | |
| 38 | 38 | 8.5 | 8.5 | | 430 | | | | 108 | 49 | | | 319 | 134 |
| 40 | 40 | 10.1 | 10.1 | | 420 | | | | 128 | 58 | | | 378 | 159 |
| 40A | 40 | 22 | 22 | | 420 | | | | 279 | 127 | | | 824 | 348 |
| 40B | 40 | 5.5 | 5.5 | | 430 | | | | 70 | 32 | | | 207 | 88 |
| 41 | 41 | 17.2 | 17.2 | | 420 | | | | 218 | 99 | | | 644 | 271 |
| 42,42A | 42 | 37.4 | 37.4 | | 420 | | | | 475 | 216 | | | 1402 | 592 |
| 43 | 43 | 12.2 | 12.2 | | 420 | | | | 155 | 70 | | | 458 | 192 |
| 44 | 44 | 9.6 | 9.6 | | 420 | | | | 122 | 55 | | | 360 | 151 |
| 45 | 45 | 47.7 | 47.7 | | 420 | | | | 605 | 275 | | | 1786 | 754 |
| 45A | 45 | 7.9 | 7.9 | | 420 | | | | 100 | 46 | | | 295 | 126 |
| 46 | 46 | 8.8 | 8.8 | | 430 | | | | 112 | 51 | | | 331 | 140 |
| 47 | 47 | 12.3 | 12.3 | | 420 | | | | 127 | 120 | | | 375 | 329 |
| 48 | 48 | 9.2 | 9.2 | | 420 | | | | 117 | 53 | | | 345 | 145 |
| 49 | 49 | 13.9 | 13.9 | | 420 | | | | 176 | 80 | | | 520 | 219 |
| 49A | 49 | 3.8 | 3.8 | | 430 | | | | 48 | 22 | | | 142 | 60 |
| 50 | 50 | 12 | 12 | | 430 | | | | 152 | 69 | | | 449 | 189 |
| 51 | 51 | 7.1 | 7.1 | | 420 | | | | 74 | 70 | | | 218 | 192 |
| 51A | 51 | 9.5 | 9.5 | | 430 | | | | 98 | 93 | | | 289 | 255 |
| 52 | 52 | 18.2 | 18.2 | | 420 | | | | 231 | 105 | | | 682 | 288 |
| 52A | 52 | 2.3 | 2.3 | | 430 | | | | 29 | 13 | | | 86 | 36 |
| 53, A, B | 53 | 38.9 | 38.9 | | 420 | | | | 403 | 381 | | | 1190 | 1044 |
| 54 | 54 | 30.2 | 30.2 | | 420 | | | | 313 | 296 | | | 924 | 811 |
| 55 | 55 | 17.9 | 17.9 | | 420 | | | | 185 | 175 | | | 546 | 480 |
| 56 | 56 | 17.3 | 17.3 | | 420 | | | | 220 | 100 | | | 649 | 274 |
| 57 | 57 | 6.3 | 6.3 | | 420 | | | | 80 | 36 | | | 236 | 99 |
| 59 | 59 | 9.2 | 9.2 | | 420 | | | | 117 | 53 | | | 345 | 145 |
| 60 | 60 | 16 | 16 | | 420 | | | | 203 | 92 | | | 599 | 252 |
| 64 | 64 | 46.3 | 46.3 | | 420 | | | | 479 | 453 | | | 1414 | 1241 |
| 64A,64B | 64 | 9.5 | 9.5 | | 420 | | | | 121 | 55 | | | 357 | 151 |
| ROW | R | 0 | 0 | 5 | 420 | | | | 42 | 10 | | | 124 | 27 |
| Total (Sheets 1&2) | | 919.1 | 919.1 | 5 | | | | | 11075 | 6391 | 0 | 0 | 16493 | 9191 |

Total Sale Area: **7030** Sale Area Acres
 Total Cutting Area: **919.1** Acres
 (Sheets (1&2))

Total Sawtimber (Sheets 1&2) **11075** CCF
 Total Saw + Non-Saw (Sheets 1&2) **17466** CCF

APPRAISAL CCF TO TON WORKSHEET

SAWTIMBER - CCF

| <u>Species</u> | <u>Defect %</u> | <u>Net Volume</u> | <u>Total Additional</u> | <u>Total Net</u> | <u>Tons Per CCF</u> | <u>Total Tons</u> |
|----------------|-----------------|-------------------|-------------------------|------------------|---------------------|-------------------|
| 017-GF | 0 | 0 | 0 | 0 | 3.1275 | 0 |
| 019-AF | 7 | 1291 | 0 | 1291 | 2.4735 | 3193 |
| 073-L | 13 | 1030 | 0 | 1030 | 3.1935 | 3289 |
| 093-S | 7 | 660 | 0 | 660 | 2.7040 | 1785 |
| 108-LP | 9 | 3085 | 0 | 3085 | 3.0210 | 9320 |
| 119-WP | 0 | 0 | 0 | 0 | 3.2230 | 0 |
| 122-PP | 6 | 2 | 0 | 2 | 3.2230 | 6 |
| 204-DF | 13 | 5007 | 0 | 5007 | 3.0160 | 15101 |
| 242-C | 0 | 0 | 0 | 0 | 2.3540 | 0 |
| 263-H | 0 | 0 | 0 | 0 | 3.2425 | 0 |
| TOTAL = | 11 | 11075 | 0 | 11075 | 2.9521 | 32694 |

Net MBF/CCF Ratio For
Sawtimber From NCS
Report CS1 **.47612**

| | |
|-------------------|-----------------|
| TIM | Prep 105 |
| Conversion | Factors |
| MBF | CCF |
| .16130 | .33870 |

NON-SAWTIMBER - CCF

| <u>Species</u> | <u>Net Volume</u> | <u>Additional Non-Saw</u> | <u>Total Net</u> | <u>Tons Per CCF</u> | <u>Total Tons</u> |
|----------------|-------------------|---------------------------|------------------|---------------------|-------------------|
| GF | 0 | | 0 | 2.9470 | 0 |
| AF | 489 | | 489 | 2.3340 | 1141 |
| L | 478 | | 478 | 3.0785 | 1472 |
| S | 123 | | 123 | 2.6330 | 324 |
| LP | 3273 | | 3273 | 2.7257 | 8921 |
| WP | 0 | | 0 | 3.1500 | 0 |
| PP | 1 | | 1 | 3.1510 | 3 |
| DF | 2027 | | 2027 | 2.7885 | 5652 |
| C | 0 | | 0 | 2.1400 | 0 |
| H | 0 | | 0 | 3.0590 | 0 |
| TOTAL = | 6391 | 0 | 6391 | 2.7403 | 17513 |

30% %Dead

Net MBF/CCF Ratio For
Non-Sawtimber From NCS
Report CS1 **.53193**

| | |
|-------------------|-----------------|
| TIM | Prep 105 |
| Conversion | Factors |
| MBF | CCF |
| .19410 | .36490 |

| | | | |
|-----------------|--------------|--------------|--------------|
| TOTALS = | Gross | Net | Tons |
| | 0 | 17466 | 50207 |

APPRAISAL SUMMARY

| | |
|------------------------|--|
| CONTRACT VOLUME (CCF) | 17466 |
| APPRAISAL VOLUME (CCF) | 11075 |
| CONTRACT VOLUME (TONS) | 50207 (Note: Total Tons to be used for Rd. Maintenance Appr.) |
| WTD TONS/CCF | 2.8700 |

LOGGING METHOD SUMMARY**Sawlog Volume**

| | Tractor | Ground Lead | Skyline | Aerial Heli | Forwarder | Horse | TOTAL | Swing Not Included in Totals | |
|---------|---------|-------------|---------|-------------|-----------|-------|-------|------------------------------|-----|
| Acres | 702 | 0 | 195 | 0 | 22 | 0 | 919 | 0 | CCF |
| Volume | 8366 | 0 | 2425 | 0 | 284 | 0 | 11075 | #N/A | |
| AEYD | 735 | 0 | 590 | 0 | 594 | 0 | | | |
| % Acres | 76% | 0% | 21% | 0% | 2% | 0% | | | |
| % Vol | 76% | 0% | 22% | 0% | 3% | 0% | | | |

HARVEST METHOD SUMMARY

| | ClearCut | Seed Tree | Shelter Wood | Final Seed Tree | Intermed | Final Shelter wood | Selection | Other Changes | TOTAL |
|---------|----------|-----------|--------------|-----------------|----------|--------------------|-----------|---------------|-------|
| Acres | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Acres | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | |
| % Vol | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | |

| ASSIGN CONTRACT SPECIES | | | | | UTILIZATION STANDARDS | | | | |
|---|------------------------|--|--------|------------------------|---|--------|------|---------------|-------|
| TIM Gate 3 - Prep 105 | | | | | TIM Gate 4 - Contract Prep Information ADV114 | | | | |
| <p>Contract Species Association</p> <p>Contract species shall be grouped to reflect differences in utilization and/or how species shall be grouped in A(T) 2 of the Timber Sale Contract.</p> <p>All Non-sawtimber shall be grouped as Combined Softwood (CS) under Contract Species</p> | | | | | <p>Fill out Minimum Specifications below to reflect how sawtimber & non-sawtimber were cruised.</p> | | | | |
| Contract Species | Full Name for Contract | Conversion Factors | | Minimum Specifications | | | | | |
| | | (only applicable to weight scale sales) | | DBH | Number of Pieces | Length | DIB | Merch. Factor | |
| | | (Enter from Species Volume Summary) | | | | | | | |
| (Major Species Group) | | MBF | CCF | | | | | | |
| DF&C | Live and Dead | glas Fir & Other Sp | 0.1613 | 0.3387 | 7 | 1 | 8.0 | 5.6 | 10.67 |
| LP | Live and Dead | Lodgepole pine | 0.1613 | 0.3387 | 6 | 1 | 8.0 | 5.6 | 10.67 |
| | | | | | 0 | 0 | 0.0 | 0 | 0 |
| <input checked="" type="checkbox"/> # | CS | Live and Dead | 0.1941 | 0.3649 | 4 | 1 | 16.0 | 2.5 | N/A |
| <input type="checkbox"/> | C14 | Cedar Products - Net Merch. Factor - Refer to C(T)6.804# | | | 0 | 0 | 0.0 | 0 | 0 |

Select Non-Sawtimber Products description from the following:

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Non-Sawtimber products include (C(T)2.2): Primary product includes all trees 4.0" - 6.9"(5.9" LP) DBH (less than minimum Sawtimber specifications shown in A(T)2); secondary product include tops of Sawtimber trees less than diameter inside bark at small end shown in A(T)2;and all trees not meeting minimum Sawtimber specifications but containing at least 50% pulpable woodfiber in terms of gross cubic volume. (C(T)6.801) |
| <input type="checkbox"/> | Non-Sawtimber products include (C(T)2.2): secondary product which are the tops of Sawtimber trees less than diameter inside bark small end shown in A(T)2; and any portion of a Sawtimber tree not meeting minimum Sawtimber specifications shown in A(T)2 but containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801). |
| <input type="checkbox"/> | Non-Sawtimber products include (C(T)2.2): secondary product which is the top portion of Sawtimber trees less than diameter inside bark small end shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801). |
| <input type="checkbox"/> | Non-Sawtimber products include (C(T)2.2): Primary product includes all trees X.X" to 6.9" DBH (less than minimum Sawtimber specifications shown in A(T)2) and secondary product which are tops of Sawtimber trees less than diameter inside bark at small end shown in A(T)2 and containing at least 50% pulpable woodfiber in terms of gross cubic volume (C(T)6.801). |
| <input type="checkbox"/> | Non-Sawtimber products include (C(T)2.2): Primary product includes all trees X.X" to 6.9" DBH (less than minimum Sawtimber specifications shown in A(T)2) and containing at least 50% pulpable woodfiber |

in terms of gross cubic volume (C(T)6.801).

AVERAGE EXTERNAL YARDING DISTANCE

| Unit # | Volume CCF | AEYD Feet | | % Slope |
|--------|---------------|--------------|----------------------|---------|
| 3 | 251 | 400 | To Calculate % Slope | 35% |
| 6 | 152 | 400 | | 40% |
| 6A,B,D | 845 | 600 | Top Elevation | 50% |
| 6C | 132 | 750 | | 30% |
| 6E | 76 | 450 | | 25% |
| 9,9A | 166 | 450 | Bottom Elevation | 20% |
| 10 | 497 | 900 | | 35% |
| 11 | 193 | 900 | | 30% |
| 11A | 80 | 150 | EYD Distance (ft) | 55% |
| 11B | 25 | 250 | | 40% |
| 19 | 90 | 400 | | 60% |
| 22 | 176 | 700 | % Slope = | 25% |
| 23 | 87 | 250 | #DIV/0! | 10% |
| 24 | 216 | 1100 | | 30% |
| 24A | 35 | 250 | | 55% |
| 25,25A | 296 | 700 | | 25% |
| 25B | 156 | 600 | | 50% |
| 26 | 164 | 400 | | 60% |
| 27 | 39 | 500 | | 65% |
| 28 | 96 | 600 | | 50% |
| 29 | 207 | 650 | | 25% |
| 29A | 127 | 400 | | 30% |
| 29B | 127 | 550 | | 25% |
| 30 | 206 | 700 | | 20% |
| 30A | 34 | 250 | | 25% |
| 30B | 48 | 250 | | 30% |
| 30C | 176 | 700 | | 55% |
| 32 | 543 | 900 | | 30% |
| 32A | 214 | 850 | | 25% |
| 32B | 34 | 150 | | 20% |

Tractor

| | | |
|-----|------|---------|
| 420 | 8366 | VOL |
| | 735 | AVE EYD |

Skyline

| | | |
|-----|------|---------|
| 430 | 2425 | VOL |
| | 590 | AVE EYD |

Forwarder

| | | |
|-----|-----|---------|
| 492 | 284 | VOL |
| | 594 | AVE EYD |

Horse

| | | |
|-----|---|---------|
| 410 | 0 | VOL |
| | 0 | AVE EYD |

AVERAGE EXTERNAL YARDING DISTANCE

| Unit # | Volume CCF | AEYD Feet | | % Slope |
|----------|---------------|--------------|----------------------|---------|
| 38 | 108 | 500 | To Calculate % Slope | 55% |
| 40 | 128 | 500 | | 45% |
| 40A | 279 | 500 | Top Elevation | 40% |
| 40B | 70 | 500 | | 60% |
| 41 | 218 | 700 | | 40% |
| 42,42A | 475 | 500 | Bottom Elevation | 20% |
| 43 | 155 | 650 | | 20% |
| 44 | 122 | 600 | | 25% |
| 45 | 605 | 1300 | EYD Distance (ft) | 40% |
| 45A | 100 | 300 | | 35% |
| 46 | 112 | 650 | | 65% |
| 47 | 127 | 700 | % Slope = | 25% |
| 48 | 117 | 450 | #DIV/0! | 35% |
| 49 | 176 | 600 | | 25% |
| 49A | 48 | 500 | | 55% |
| 50 | 152 | 300 | | 50% |
| 51 | 74 | 500 | | 35% |
| 51A | 98 | 350 | | 60% |
| 52 | 231 | 800 | | 25% |
| 52A | 29 | 200 | | 55% |
| 53, A, B | 403 | 500 | | 25% |
| 54 | 313 | 650 | | 25% |
| 55 | 185 | 700 | | 30% |
| 56 | 220 | 600 | | 25% |
| 57 | 80 | 300 | | 30% |
| 59 | 117 | 700 | | 35% |
| 60 | 203 | 600 | | 25% |
| 64 | 479 | 800 | | 30% |
| 64A,64B | 121 | 800 | | 25% |
| ROW | 42 | | | |

Helicopter

| | | |
|-----|---|---------|
| 480 | 0 | VOL |
| | 0 | AVE EYD |

Ground Lead

| | | |
|-----|---|---------|
| 450 | 0 | VOL |
| | 0 | AVE EYD |

HAUL

Appraisal Point:
Total Sawtimber Tributary Volume:

| | |
|------------|--------|
| Evergereen | 11,075 |
|------------|--------|

| | |
|-------|---------|
| State | Montana |
|-------|---------|

(The appraisal point is most advantageous when total transportation cost, including road work, are less than other appraisal points. Appraise to a mill where timber product can be processed. SBA Set Aside Sales are appraised the same way; not to the nearest SBA mill)

(Haul Appraisal for Sawtimber only. Non-Sawtimber included in Non-Sawtimber Adjustments)

WTD HAUL MILES

WTD Haul Note

[illegible]

WTD Total Paved Miles

18.4

WTD Total Unpaved Miles

5.0

WTD Total Miles

23.4

| LP Non-Saw | | | | | |
|---|------------------------------|---------------------------------------|--------------------------------|--|--|
| Report CS 4 - Nonsaw | | | | | |
| Live LP Nonsaw Pri. and Sec. (CS4) | Dead LP Primary Nonsaw (CS4) | Total LP Live and Dead Pri/Sec Nonsaw | Total LP Primary Nonsaw (R101) | | |
| 230870 | 96289 | 327159 | 182420 | | |
| <u>2309</u> | <u>963</u> | <u>3272</u> | <u>1824</u> | | |
| % of Tot | % of Tot | | | | |
| 0.7057 | 0.2943 | | | | |
| Tons/CCF | Tons/CCF | | | | |
| 3.0200 | 2.0390 | | | | |
| Average Tons/CCF | | | | | |
| <u>2.7313</u> | | | | | |
| Enter on Species Appraisal (Tons) | | | | | |
| | | LPD Prim | 963 | | |
| | | LPL Prim | 861 | | |
| | | LP Sec | 1447 | | |
| | | <u>Total</u> | <u>3272</u> | | |
| | | | | | |
| % LPD Prim. Post Material | | 0% | → 0 Tons | | |
| | | | | | |
| LPL Prim. and LP Secondary | | → 6306 Tons | | | |
| | | | | | |
| Total LP Post and Pole Material | | → 6306 Tons | | | |
| | | | | | |
| Entered from Appraisal CCF to Ton Worksheet | | | | | |
| Total Nonsaw Tons | | → 17513 Tons | | | |
| | | | | | |
| Other Nonsaw Material | | → 11207 Tons | | | |

LP Non-Saw page can be used for any Species of High Value Non-Saw Products, not just Lodgepole Pine.

| Nonsaw Value and Weighted Haul | | | | | | |
|--------------------------------|---------------------|-------------------------|------------|--------------------|------------|-----------|
| Appraisal Point (P&P Material) | | St Ignatius (Foothills) | | | | |
| Species | Weighted Haul Miles | | | | | |
| LPL, LPD | Gravel | Paved | Total Haul | | Qty (Tons) | Value/Ton |
| | 5 | 95 | 100 | | 6306 | \$70.00 |
| | | | | | | |
| Appraisal Point | | Bonner, MT | | | | |
| Species | Weighted Haul Miles | | | | | |
| All Other | Gravel | Paved | Total Haul | | Qty (Tons) | Value/Ton |
| | 5 | 140 | 145 | | 11207 | \$38.00 |
| | | | | | | |
| Total Nonsaw (Tons) | | 17513 | | | | |
| | | | | | | |
| Weighted Haul Miles | | 128.8 | | Weighted Value/Ton | | \$49.52 |

NON-SAWTIMBER ADJUSTMENTS

Appraisal Point:

"Check Box" if Non-Sawtimber is **NOT** to be included as a contractual requirement in

☐ Check Box

K-C.2# Utilization and Removal of Included Material.

K-C.2.1.1# Optional Removal of Non-Sawtimber Products.

DATA INPUT

Delivered Log Price (\$/Ton, Nonsawtimber material)
Total Nonsawtimber Volume (CCF) (Primary + Secondary)
Total Nonsawtimber Volume (Tons) (Primary + Secondary)
Tons / CCF for nonsawtimber material
Total Appraised Sawlog Volume (CCF)
Total One Way Weighted Haul Miles

| |
|---------|
| \$49.52 |
| 6,391 |
| 17,513 |
| 2.74 |
| 11,075 |
| 129 |

Use LP NonSaw page for High Value Non-Saw Products of Any Species, not just Lodgepole Pine

Haul Adjustment

No Adjustment Needed if using LP Non-Saw

| Logging System | All Ground Based | All Cable | Forwarder |
|--|------------------|-----------|-------------|
| Nonsawtimber Primary Product (CCF) | 2,242 | 533 | 55.0 |
| Net MBF / Acre Harvested for nonsawtimber primary product | 1.7 | 1.5 | 1.3 |
| Average DBH Harvested for nonsawtimber primary product | 5.5 | 5.5 | 5.5 |
| Average Yarding Distance (Feet) | 735 | 590 | 594 |
| Nonsawtimber Primary Product (Tons) | 6,144 | 1,461 | 150.7142857 |
| Net Tons / Acre Harvested for nonsawtimber primary product | 4.7 | 4.0 | 3.6 |

| Nonsawtimber Adjustment | |
|---|---------|
| Final Nonsawtimber Value (\$/CCF) A positive number is a negative value. | \$17.77 |
| Final Nonsawtimber Adjustment to enter into TE appraisal program (\$/CCF) | \$0.00 |

A Negative Adjustment has been Rounded to Zero

RIGHTS - OF - WAY

(Include Cost share Agreements)

| Road Name | Road # | Length | Type of Agreement | Agreement with (Names) |
|-----------|--------|--------|-------------------|------------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

ROAD MAINTENANCE

(From Road Maintenance Appraisal Summary, sheets are attached)

Contract Rates

| Total Performance Recurrent Maintenance (Part A) | <table><tr><th>\$/CCF</th><th>\$/TON</th></tr><tr><td></td><td></td></tr></table> | | \$/CCF | \$/TON | | | |
|---|---|----------|--------|--------|--------|-----------|--|
| \$/CCF | \$/TON | | | | | | |
| | | | | | | | |
| K-F.3.1# - Recurrent Maintenance | <table><tr><td>\$1.27</td><td>\$0.44</td></tr></table> | \$1.27 | \$0.44 | | | | |
| \$1.27 | \$0.44 | | | | | | |
| K-F.3.1.2# - Reconditioning | <table><tr><td>\$0.00</td><td>\$0.00</td></tr></table> | \$0.00 | \$0.00 | | | | |
| \$0.00 | \$0.00 | | | | | | |
| Total Performance (Part A) | <table><tr><td>\$1.27</td><td>\$0.44</td></tr></table> | \$1.27 | \$0.44 | (A) | | | |
| \$1.27 | \$0.44 | | | | | | |
| Total Required Deposits (Recurrent and Deferred) (Part B) | <table><tr><td>\$1.11</td><td>\$0.38</td></tr><tr><td>\$0.45</td><td>\$0.15</td></tr></table> | \$1.11 | \$0.38 | \$0.45 | \$0.15 | Recurrent | |
| \$1.11 | \$0.38 | | | | | | |
| \$0.45 | \$0.15 | | | | | | |
| (Enter appropriate rate in TIM - Gate 4 - Road Maint. Plan - ADVR105) | | Deferred | | | | | |
| K-F.3.2# - Total Required Deposits (Part B) | <table><tr><td>\$1.56</td><td>\$0.53</td></tr></table> | \$1.56 | \$0.53 | (B) | | | |
| \$1.56 | \$0.53 | | | | | | |
| K-F.3.1.4# - Total Dust Abatement (Part C) | <table><tr><td>\$0.00</td><td>\$0.00</td></tr></table> | \$0.00 | \$0.00 | (C) | | | |
| \$0.00 | \$0.00 | | | | | | |
| TOTAL MAINTENANCE COST (Parts A-B-C) | <table><tr><td>\$2.83</td><td>\$0.97</td></tr></table> | \$2.83 | \$0.97 | | | | |
| \$2.83 | \$0.97 | | | | | | |

Appraisal Rates

(Entries for 2400 - 17)

| | |
|---|-------------|
| Total Required Deposits | \$ 2.46 CCF |
| Total Road Maintenance Costs (Performance + Deposits) | \$ 4.47 CCF |

Refer to Road Maintenance Appraisal for Road Reconditioning cost per road segment.
(Attach worksheets with road costs)

LOGGING METHOD SUMMARY

| | Tractor | Ground Lead | Skyline | Aerial Heli | Forwarder | TOTAL |
|--------|---------|----------------|---------|----------------|-----------|-------|
| Acres | 702 | 0 | 195 | 0 | 22 | 919 |
| Volume | 8366 | 0 | 2425 | 0 | 284 | 11075 |
| EYD | 735 | 0 | 590 | 0 | 594 | |

ROAD CONSTRUCTION / RECONSTRUCTION

Construction or Reconstruction of roads not included on haul route are to be included as Stewardship Projects (K-G9#) and Appraised using Davis Beacon Wages.

☒ Check Box if road(s) being Constructed or Reconstructed are Specified Roads needed for harvesting Included Timber.

IDENTIFY FACILITIES (ADVR102)

Appraisal information required for the 2400-17 report is to be summarized from the Identify Facilities

SPECIFIED ROAD COST

| | <u>Miles</u> | <u>Total Cost</u> |
|----------------|--------------|-------------------------------|
| Construction | 2.9 | \$75,173 |
| Reconstruction | 0.0 | \$0 |
| Total Cost | \$75,173 | / 11075 CCF = \$6.79 \$ / CCF |

BASE RATE COLLECTION FOR STEWARDSHIP SALES

(Applied to Sawtimber Only)

Normally Stewardship Sales do not have a base rate nor KV collections. But there may be instances where it would be appropriate to collect KV funds. (IE. Treatment needs that extend beyond the contract termination date(noxious weeds), that require complex oversight (prescribed fire) or for small amounts of planting.

When KV is needed on a project it is collected as a base rate, the rate is applied ONLY to the Sawtimber component.

Costs From FACTS - Sale Area Improvement and K-V Collection Plan.

Total Required Regen Costs - FACTS Line 21 Remarks = **\$490,844.00**
(Subtotal for Required Reforestation with National Program Support Cost Included)

**% Adjustment For
Partial Cut Stands**

0%

Select Either (a) or (b)

(A) Green Sale - Required Regen Cost \$ 100% Sawtimber Vol. =

\$490,844.00 (B) %

= **\$490,844.00** Total

(B) Salvage Sales enter % Live Sawtimber Volume;

= **100%**

For Partial Cut Stands Use Previously Cut Worksheet.

Other K-V: From FACTS

| |
|--|
| |
| |
| |
| |
| |
| |

K-V Funded Projects Costs

| |
|--------|
| \$0.00 |
| \$0.00 |
| \$0.00 |
| \$0.00 |
| \$0.00 |
| \$0.00 |

Total **\$0.00**

= **\$0.00** Total

Total amount of K-V to be Collected =

\$490,844.00 Total

Sawtimber Base Rate = **\$44.32** CCF

BRUSH DISPOSAL
Stewardship Contract

From FACTS - Detailed Listing of BD and Purchaser Slash Treatment Activities

"Check Box" if Brush disposal is **NOT** to be included as a contractual requirement in
K-G.7 Hazard Reduction and Site Preparation.

☐ Check Box to use.

Appraisal Rates for 2400-17 (Applied to Sawtimber only)

Forest Service Rate (Fund Code BDBD) **\$63,638.00** Total \$ (a) **\$5.75**

Purchaser Rate (Fund Code PPPP) **\$173,825.00** Total\$ (b) **\$15.70**

TOTAL: (a) + (b) = **\$21.45 CCF**

Contract Rates (Applied to All Products)

Forest Service Rate Per CCF (Fund Code BDBD) **\$3.64** CCF

\$1.27 TON

Lump Sum BD Deposits for Weight Scaled Sales

| Cutting Unit Number | Required Deposits |
|---------------------|-------------------|
| 3 | \$1,519.33 |
| 6 | \$805.22 |
| 6A,B,D | \$4,477.91 |
| 6C | \$699.56 |
| 6E | \$404.43 |
| 9,9A | \$881.74 |
| 10 | \$3,523.30 |
| 11 | \$1,023.83 |
| 11A | \$422.65 |
| 11B | \$134.81 |
| 19 | \$637.62 |
| 22 | \$1,246.09 |
| 23 | \$615.76 |
| 24 | \$1,533.93 |
| 24A | \$247.76 |
| 25,25A | \$1,566.72 |
| 25B | \$827.08 |
| 26 | \$867.16 |
| 27 | \$207.68 |
| 28 | \$510.10 |
| 29 | \$1,096.70 |
| 29A | \$674.05 |
| 29B | \$674.05 |
| 30 | \$1,089.42 |
| 30A | \$182.18 |
| 30B | \$255.05 |
| 30C | \$932.75 |
| 32 | \$2,878.39 |
| 32A | \$1,133.14 |
| 32B | \$182.18 |

Total Cost **\$31,250.59**

(Sheet 1)

BRUSH DISPOSAL - Continued
Stewardship Contracts

Lump Sum BD Deposits for Weight Scaled Sales

| Cutting Unit Number | Required Deposits |
|----------------------------|--------------------------|
| 38 | \$572.04 |
| 40 | \$677.70 |
| 40A | \$1,479.28 |
| 40B | \$371.64 |
| 41 | \$1,155.00 |
| 42,42A | \$2,517.68 |
| 43 | \$819.80 |
| 44 | \$644.91 |
| 45 | \$3,206.31 |
| 45A | \$531.96 |
| 46 | \$593.90 |
| 47 | \$899.95 |
| 48 | \$619.40 |
| 49 | \$932.75 |
| 49A | \$255.05 |
| 50 | \$805.22 |
| 51 | \$524.67 |
| 51A | \$695.92 |
| 52 | \$1,224.23 |
| 52A | \$153.03 |
| 53, A, B | \$2,856.53 |
| 54 | \$2,218.91 |
| 55 | \$1,311.67 |
| 56 | \$1,165.93 |
| 57 | \$422.65 |
| 59 | \$619.40 |
| 60 | \$1,074.84 |
| 64 | \$3,395.78 |
| 64A,64B | \$641.26 |
| | |

Total Cost

\$63,638.00

(Sheets 1&2)

EROSION CONTROL

Seed mix is to be included in K-G.6.0.1# - Erosion Control Seeding and Special Project Specifications (SPS) 625.05 in Road Package.

Make sure that the seed mix and fertilizer are the same in both Contract and Road Package.

Site specific areas, such as gravel pits and very dry sites may call for more and/or different species in the mix. Document below the rationale for deviation from the standard seed mix.

| Species of Seed | Pounds per Acre |
|-----------------|-----------------|
|-----------------|-----------------|

| | |
|----------------------|---|
| Blue Wildrye | 5 |
| Mountain Brome | 9 |
| Bluebunch Wheatgrass | 4 |
| Slender Wheatgrass | 6 |
| | |

| | |
|-------|----|
| TOTAL | 24 |
|-------|----|

| Type of Fertilizer | Pounds per Acre |
|--------------------|-----------------|
|--------------------|-----------------|

| | |
|--|---|
| | 0 |
|--|---|

| | |
|-------|---|
| TOTAL | 0 |
|-------|---|

Crossdrains

Installation of crossdrains on temporary roads, skid trails and firelines are included in their respective cost allowance.

Scarification - Landings and Skid Trails ONLY

| | | | | | |
|----|---------|----------|----------|---|-------------|
| 91 | acres @ | \$150.00 | per acre | = | \$13,650.00 |
|----|---------|----------|----------|---|-------------|

Seed and Fertilizer

If Temp Road seeding is not included in Temp Road worksheet then enter here

| | | | | | |
|-----------------|--|------|---|-----|-------|
| Temporary Roads | | feet | = | 0.0 | acres |
| Firelines | | feet | = | 0.0 | acres |

Skid Trails

Number of acres to be skidded using ground based systems times the percentage of area requiring seed and fertilizer.

| | | | | | | | |
|-----|-------|---|---|---|---|------|-------|
| 721 | acres | X | 4 | % | = | 28.8 | acres |
|-----|-------|---|---|---|---|------|-------|

Number of acres to be yarded using cable systems times the percentage of area requiring seed and fertilizer.

| | | | | | | | |
|-----|-------|---|---|---|---|-----|-------|
| 197 | acres | X | 2 | % | = | 3.9 | acres |
|-----|-------|---|---|---|---|-----|-------|

Landings

Number of landings

| |
|----|
| 94 |
|----|

 X

| |
|-----|
| 0.5 |
|-----|

 acres per landing =

| |
|------|
| 47.0 |
|------|

 acres

TOTAL

| |
|------|
| 79.7 |
|------|

 acres

| | Tractor | Ground Lead | Skyline | Aerial Heli | Forwarder | Horse |
|-------|---------|-------------|---------|-------------|-----------|-------|
| Acres | 702 | 0 | 195 | 0 | 22 | 0 |

Seed mix, fert., labor costs:

| | <u>Lbs / Acre</u> | | <u>\$ / Lb</u> | | <u>\$ per Acre</u> |
|----------------------|-------------------|---|----------------|---|--------------------|
| Blue Wildrye | 5 | X | \$12.00 | = | \$60.00 |
| Mountain Brome | 9 | X | \$12.00 | = | \$108.00 |
| Bluebunch Wheatgrass | 4 | X | \$12.00 | = | \$48.00 |
| Slender Wheatgrass | 6 | X | \$12.00 | = | \$72.00 |
| 0 | 0 | X | | = | \$0.00 |
| Fertilizer | 0 | X | \$0.00 | = | \$0.00 |
| *Labor per Acre | | | | = | \$12.30 |

\$ per acre **\$300.30**

Total cost for

| | | | | | | |
|---------------|-------------|-------|---|-----------------|-----------|--------------------|
| SEEDING | 79.7 | acres | X | \$288.00 | \$/acre = | \$22,953.60 |
| FERTILIZER | 79.7 | acres | X | \$0.00 | \$/acre = | \$0.00 |
| LABOR | 79.7 | acres | X | \$12.30 | \$/acre = | \$980.31 |
| SCARIFICATION | | | | | | \$13,650.00 |
| TOTAL | | | | | | \$37,583.91 |

\$37,583.91 COST / **11075** CCF = **\$3.39** PER CCF

* Engineers estimate Page 114 of the Cost Guide Item Labor Rates.

Document Rational for Changes to Standard Seed Mix.

OTHER CONTRACTUAL REQUIREMENTS (A)

**Other - Include Contractual Obligations Requiring Performance Bond Coverage
(Road closure, Barriers, Trail Restoration, etc.)**

| ITEM | # | X | COST | = | TOT COST |
|------|---|---|----------------|---|----------|
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |
| XXX | | X | \$0.00 per XXX | = | \$0.00 |

\$0.00 Cost / **11075** CCF = **\$0.00** CCF

Subtotal Other Contractual Requirements (A) = **\$0.00** CCF

OTHER CONTRACTUAL REQUIREMENTS (B)

The cost allowance for herbicide application has been based on the following assumptions; 300 gallon sprayer with herbicide injectors (not tank mixed); 20 gallon of carrier/ac; one trip will be required for each herbicide per road; labor rate and production includes mix, loading, cleanup and daily documentation; misc. expenses include equipment maintenance and depreciation, herbicide storage and handling and licensing fees. One mile of road with an average ROW of 30 feet is equal to 3.6 acres. Herbicides approved for use are listed in K-G.2.7# under Technical Spraying Specifications.

| <u>Herbicide</u> (Common name) | <u>Application Rate oz</u> per acre | <u>Cost</u> Per oz | <u>Cost per</u> <u>UOM</u> |
|-----------------------------------|--|-----------------------|-------------------------------|
| 24D Amine | 32 | \$0.00 | \$0.00 mile |
| Transline | 11 | \$0.00 | \$0.00 mile |
| Tordon | 32 | \$0.00 | \$0.00 mile |
| Aminopyralid (Milestor) | 6 | \$3.75 | \$81.00 mile |

Price quote for herbicide obtained from: Internet Forestry Suppliers

| | |
|--|-------------------------------|
| <u>Sufactant & Dye</u> .32 oz/gal H2O | \$0.68/acre = \$2.45/ mile |
| <u>Labor Rate</u> | \$40/ hour (2 Miles per hour) |

Miles of road to be sprayed: 78.36 miles

| <u>Herbicide to be applied:</u> | <u>Miles</u> | <u>\$ UOM</u> | <u>Tot Cost</u> |
|---------------------------------|--------------|---------------|-----------------|
| 24D Amine | | \$0.00 | \$0.00 |
| Transline | | \$0.00 | \$0.00 |
| Tordon | | \$0.00 | \$0.00 |
| Aminopyralid (Milestor) | 78.36 | \$81.00 | \$6,347.16 |

| | | | |
|---------------------------|-------|---------|------------|
| Sufactant & dye: | 78.36 | | \$0.00 |
| Application Cost (Labor): | 78.36 | \$20.00 | \$1,567.20 |
| Misc. Expenses: | 78.36 | \$5.00 | \$391.80 |

TOTAL WEED TREATMENT: \$8,306.16 cost / 11075 CCF = \$0.75 CCF

ON-SITE EQUIPMENT WASHING K-G.3.5.1#

Cost allowance for washing off-road equipment *Prior To Leaving* locations identified in EIS/EA

| | | | |
|------------------------------|--------|-------------------|-------|
| Number (pieces of equipment) | | Number of seasons | |
| Cleaning costs per piece | \$0.00 | CCF | 11075 |

Total cost for washing equipment per CCF \$0.00 CCF

Subtotal Other Contractual Requirements (B) \$0.75 CCF

MISCELLANEOUS CONTRACTUAL REQUIREMENTS (C)

(Contractual Obligations That Would Not Require Coverage Under The Performance Bond)

Stump Shoveling (Not required under normal operating/winter conditions. Include if clippers not allowed)

stumps X per stump =

Cost / CCF = CCF

Snow Plowing

miles X per mile X # plowings =

Cost / CCF = CCF

Miscellaneous: (Helicopter Landing Construction, Traffic Control etc...)

| ITEM | # | X | COST | | TOT COST |
|---|---|---|------------|---------|------------|
| Traffic Control for Felling Near Rd | 1 | X | \$2,172.00 | total | \$2,172.00 |
| Planned for 2x laborers for 1 hour per unit adjacent to open roads and trails | | | | | |
| XXX | | X | \$0.00 | per XXX | \$0.00 |
| XXX | | X | \$0.00 | per XXX | \$0.00 |
| XXX | | X | \$0.00 | per XXX | \$0.00 |
| XXX | | X | \$0.00 | per XXX | \$0.00 |
| XXX | | X | \$0.00 | per XXX | \$0.00 |
| XXX | | X | \$0.00 | per XXX | \$0.00 |
| XXX | | X | \$0.00 | per XXX | \$0.00 |
| XXX | | X | \$0.00 | per XXX | \$0.00 |
| XXX | | X | \$0.00 | per XXX | \$0.00 |

Cost / CCF = CCF

Subtotal Miscellaneous Contractual Requirements (C) CCF

| | |
|--|---|
| Total Other Contractual Requirements (A+B+C) | <input type="text" value="\$1.19"/> CCF |
| Brush Disposal (Purchaser and FS) | <input type="text" value="\$21.45"/> CCF |
| Total Environmental Protection Cost | <input type="text" value="\$22.64"/> CCF |

TEMPORARY ROADS

3.18 Miles

If you have more than 5
Temporary Roads, you can
lump Roads together.

Temporary Road #1

Cost \$

Temp Roads that will use existing old templates

\$9,272.00

Temporary Road #2

Cost \$

New Temp Roads

\$17,291.00

Temporary Road #3

Cost \$

0

\$0.00

Temporary Road #4

Cost \$

0

\$0.00

Temporary Road #5

Cost \$

0

\$0.00

TOTAL TEMPORARY ROAD COST =
(Total Temporary Development Costs)

\$26,563.00

\$26,563.00

Cost \$ / 11075 CCF =

\$2.40

CCF

Cost Guide for Temporary Roads

http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5279261.pdf

Temporary Road Seeding, Fertilizing and Obliteration Costs per CCF

\$0.88

UNUSUAL CONDITION ADJUSTMENTS

Cost \$ / 11075 CCF

=

\$0.00 CCF

TEMPORARY ROAD COSTS #1

Unit or Road Number: Temp Roads that will use existing old templates

Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104

Average Side Slope 20 %
Length 8528 Feet 1.62 Miles
Volume per Acre 0

(Note: Do not adjust project costs for inflation or deflation)

| | | |
|-----------------------------------|---|-----------------------------------|
| Clearing and Grubbing (Table T-1) | = | Costs Per Mile \$1,860.00 Mile |
| Excavation (Table T-1) | = | \$1,730.00 Mile |
| Seeding (Table T-1) | = | \$580.00 Mile |
| Obliteration (Table T-1) | = | \$1,500.00 Mile |

Total Unit Cost Per Mile = \$5,670.00

Basic Cost Total X Length = \$9,185.00

Drainage Structures

| | | | | | |
|--|-----------|---|--|---|--------|
| | Dips | X | | = | \$0.00 |
| | 18" CMP | X | | = | \$0.00 |
| | other CMP | X | | = | \$0.00 |

Drainage Cost Total = \$0.00

Other Requirements

| | | | | | | |
|-----|--|-----|---|--------|---|--------|
| ### | | ### | X | \$0.00 | = | \$0.00 |
| ### | | ### | X | \$0.00 | = | \$0.00 |
| ### | | ### | X | \$0.00 | = | \$0.00 |
| ### | | ### | X | \$0.00 | = | \$0.00 |

Other Cost Total = \$0.00

Subtotal (Basic + Drainage + Other) = \$9,185.00

Mobilization (Table T-4) 7% = \$643.00

Subtotal = \$9,828.00

TOTAL COST \$9,828.00 / 1.06 Profit = \$9,272.00

Total Cost to be entered on 2400-17

TEMPORARY ROAD COSTS #2

Unit or Road Number: New Temp Roads

Reference to Cost estimating procedures for temporary roads from Cost Guide pages 100-104

| | | | | | |
|--------------------|------|------|------|-------|--|
| Average Side Slope | 30 | % | | | |
| Length | 8226 | Feet | 1.56 | Miles | |
| Volume per Acre | 10 | | | | |

(Note: Do not adjust project costs for inflation or deflation)

| | | |
|-----------------------------------|---|--|
| Clearing and Grubbing (Table T-1) | = | Costs Prer Mile \$4,480.00 Mile |
| | | |
| Excavation (Table T-1) | = | \$2,390.00 Mile |
| | | |
| Seeding (Table T-1) | = | \$610.00 Mile |
| | | |
| Obliteration (Table T-1) | = | \$3,500.00 Mile |
| | | |

| | | |
|--------------------------|---|---|
| Total Unit Cost Per Mile | = | \$10,980.00 |
|--------------------------|---|---|

| | | |
|---------------------------|---|---|
| Baisc Cost Total X Length | = | \$17,129.00 |
|---------------------------|---|---|

Drainage Structures

| | | | | | |
|--|-----------|---|--------|---|--------|
| | Dips | X | \$0.00 | = | \$0.00 |
| | 18" CMP | X | \$0.00 | = | \$0.00 |
| | other CMP | X | \$0.00 | = | \$0.00 |

| | | |
|---------------------|---|--|
| Drainage Cost Total | = | \$0.00 |
|---------------------|---|--|

Other Requirements

| | | | | | |
|--|--|---|--------|---|--------|
| | | X | \$0.00 | = | \$0.00 |
| | | X | \$0.00 | = | \$0.00 |
| | | X | \$0.00 | = | \$0.00 |
| | | X | \$0.00 | = | \$0.00 |

| | | |
|------------------|---|--|
| Other Cost Total | = | \$0.00 |
|------------------|---|--|

| | | |
|-------------------------------------|---|---|
| Subtotal (Basic + Drainage + Other) | = | \$17,129.00 |
|-------------------------------------|---|---|

| | | | |
|--------------------------|----|---|--|
| Mobilization (Table T-4) | 7% | = | \$1,199.00 |
|--------------------------|----|---|--|

| | | |
|----------|---|---|
| Subtotal | = | \$18,328.00 |
|----------|---|---|

| | | | | | | |
|------------|-------------|---|------|--------|---|---|
| TOTAL COST | \$18,328.00 | / | 1.06 | Profit | = | \$17,291.00 |
|------------|-------------|---|------|--------|---|---|

Total Cost to be entered on 2400-17

TIMBER SALE CONTRACT INFORMATION

Tim Gate 4 - Contract Preparation information (ADVR114)

Normal Operating Season

(ADVR114, Page 1)

| | | | Units | |
|----------------|--------|----|--------|--------|
| First Period : | 1-Jul | to | 30-Sep | |
| Second Period: | 20-Dec | to | 15-Feb | 6D, 55 |

(Note: If sale has more than one NOS - List dates and units for each NOS in A16 or AT13 of Timber Sale Contract)

Periodic Payment Schedule

Approximate Award Date: 07/14/15 mm/dd/yy

(And Road Completion Date if roads are included.)

Road Completion Date: 10/14/16 mm/dd/yy
(ENTER N/A if no roads)

Contract Termination Date: 09/30/20 mm/dd/yy

TIM - Input at Gate 4 - Prospectus, Bid and Misc. Information - Page 1 (ADVR115)

Approximate Payment Date: 02/20/18 Tentative Date. TIM will Calculate Official Date Upon Award.

As per E.2.1.3, Periodic Payment Schedule, a periodic payment will be required. The approximate periodic payment date is XXXX. The final date will be based on the award date of this timber sale contract.

FIRE LIABILITY CALCULATION (ADVR114, Page 4)

5 CCF / man day --- 120 operating days / year --- 600 CCF / man year --- 12 hrs / shift --- 5 shifts / man
AD-C Firefighter wage is updated yearly, ~March (FSH 5109.34 Chp 10). Link below to directive.

| | | | | |
|-----|--------------------------|---------|------------------|--|
| (A) | Total Volume = | 17466 | CCF | |
| (B) | Sale Duration = | 5.2 | YEARS | (Calculated from Award Date to Termination Date) |
| (C) | Operating Days in Sale = | 624 | | (Sale Duration X 120 days.) |
| (D) | CCF Per Day = | 28.0 | | (Total Volume / Operating Days in Sale) |
| (E) | Men Needed to Log Sale = | 5.6 | | (CCF Per Day / 5 CCF) |
| (F) | Liability = | \$17.80 | (Wage Rate AD-C) | 12 (hrs/shift) X 5 (# shifts) X |
| | | 5.6 | (# men) = | TOTAL LIABILITY = \$5,981 |

http://www.fs.fed.us/r1/fire/nrcg/Committees/business_committee.htm

Round up to nearest \$50.00 up to \$200.00, then round up to nearest \$100.00

ROUNDED TOTAL = \$6,000

STEWARDSHIP PERFORMANCE BOND:

TIM Gate 4 - Prospectus, Bid and Misc. Information - Page 3 - (ADVR115)

Generally, a performance bond will not be required. If a bond is required, the amount of the bond should only cover those performance items not include as mandatory or optional services.

(B) Purchaser requirements (Performance) - Based on number of seasons.

| | | |
|--------------------|---------|-----|
| Road Maintenance = | \$1.27 | CCF |
| Erosion = | \$3.39 | CCF |
| Brush Disposal = | \$15.70 | CCF |
| Other = | \$1.63 | CCF |
| Total = | \$21.99 | CCF |

Total Purchaser Requirements = \$21.99 X Tot Vol 11075 CCF = \$243,574 Tot Value

divided by 5 # Seasons = \$48,715 Performance Bond Value

Rounded Performance Bond Value = \$48,800 (B)

2400-17 Input Sheet for R1 TIMBER SALE APPRAISAL

Create New Sale

| | |
|-------------|----------------|
| Sale Name | Dewey |
| Sale No | 15103 |
| Forest No | 10 - Flathead |
| District No | 01 - Swan Lake |

Size Class

6 - \$100,000.01 thru \$1,000,000

Sale Status

SBA Code

N - No

Appraisal Type

TE - Transaction Evidence

Basic Information

| | |
|-------------------|-----------------|
| State | MT - Montana |
| County Code | 029 - Flathead |
| Legal Description | T26N, R22W, PMM |
| Appraisal Date | 6/10/2015 |
| Contract Date | |
| Term Date | 9/30/2020 |
| Bid Date | 7/28/2015 |
| Modified By | |
| Modified Date | |

Salvage Code

2 - Salv Sale or Salv Component in Regular Program

Pricing Method

FLAT - Flat Rate

SAI Collection

\$490,844.00

Contract No

Contract Form

13 - Contract Form 2400-13

CO Authority

S - Forest Supervisor

Sale Method

S - Sealed Bids

Regulation Code

6 - 36 CFR 223.1

Area & Volume

| | |
|-----------------------|------|
| Total Sale Area Acres | 7030 |
| Clearcut Acres | 0 |
| Seed Tree Acres | 0 |
| Right Of Way Acres | 5 |
| Final Seed Tree Acres | 0 |
| Shelter Wood Acres | 0 |
| Cedar Poles: Volume | |
| Count | |
| Length | |
| Percent Salvage | 54% |

| | |
|------------------------|-------|
| Cut Acres | 919.1 |
| Clearcut Volume | 0 |
| Seed Tree Volume | 0 |
| Right Of Way Volume | 0 |
| Final Seed Tree Volume | 0 |
| Shelter Wood Volume | 0 |

Costs / CCF

| | |
|-------------------|---------|
| Slash FS | \$5.75 |
| Slash Total | \$21.45 |
| Erosion | \$3.39 |
| Misc | \$1.19 |
| Temp Roads | \$2.40 |
| Other Temp Dev | \$0.00 |
| Unusual Cond Adj | \$0.00 |
| Road Maint Dep | \$2.46 |
| Road Maint Total | \$4.47 |
| Non-sawtimber Adj | \$0.00 |

Comments

| |
|---|
| |
| |
| |
| Includes other (A), weeds (B), Misc (C) |
| |
| |
| |
| Includes Tons/CCF Adjustment |
| |
| |

| | |
|------------------------------|--------|
| <u>Timber Property Value</u> | \$0.00 |
|------------------------------|--------|

Roads

| | |
|-----------------------|-----------|
| Construction Miles | 2.9 |
| Reconstruction Miles | 0.0 |
| Temp Road Const Miles | 3.2 |
| Total Haul Miles | 23 |
| Appraisal Point | Evergreen |
| Contributed Funds | \$0 |

| | |
|------------------------------|----------|
| Construction Costs | \$75,173 |
| Reconstruction Costs | \$0 |
| Temp Road Construction Costs | \$26,563 |
| Paved Miles | 18.4 |
| State | Montana |

Logging Systems

| Logging Systems | Acres | CCF | Average External Yarding Distance(ft) |
|--------------------|-------|------|---------------------------------------|
| <u>Tractor</u> | 702 | 8366 | 735 |
| <u>Horse</u> | 0 | 0 | 0 |
| <u>Ground Lead</u> | 0 | 0 | 0 |
| <u>Skyline</u> | 195 | 2425 | 590 |
| <u>Heli</u> | 0 | 0 | 0 |
| <u>Swing</u> | 0 | #N/A | |
| <u>Forwarder</u> | 22 | 284 | 594 |

*Swing A

*Swing Acres are not included in Total Logging System Acres

Species/Products

[illegible]

Use this sheet to calculate advertised value and to convert \$/CCF to \$/Tons.

Attach this sheet to the 2400-17 for Documentation.

Sawtimber Rate from the 2400-17

| |
|---------|
| \$44.32 |
|---------|

Conversion to Tons

| <u>Advertised Rate per Ton</u> | | | | |
|--------------------------------|------------------|----------------|-------------|---------------------------------|
| | <u>Adv. Rate</u> | <u>CCF Vol</u> | <u>Tons</u> | |
| Sawtimber | \$44.32 | 11075 | 32694 | |
| Non_Saw | \$1.00 | 6391 | 17513 | |
| Base Rate (Sawtimber) | \$44.32 | 11075 | 32694 | |
| | | | | <u>Weighted Average Bidding</u> |
| | | | | \$15.01 |
| | | | | \$0.36 |
| | | | | \$15.01 |
| | | | | <u>Total Value Bidding</u> |
| | | | | \$9.90 |
| | | | | \$9.90 |
| | | | | \$15.01 |
| Total Sale Value | | | | \$497,235.00 |